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TTL/"Human cells"

Pat. No. Title

1. [5,994,617](#) Engraftment of immune-deficient mice with *human cells*
2. [5,952,200](#) Method of diagnosing cancer in *human cells* using a reverse transcriptase-polymerase chain reaction for identifying the presence of stromelysin-3
3. [5,939,266](#) In vitro assay for anticarcinogens using phenotypic transformation of *human cells*
4. [5,925,524](#) In vitro assay for carcinogens using phenotypic transformation of *human cells*
5. [5,856,185](#) Method for making reflection defective retroviral vectors for infecting *human cells*
6. [5,837,471](#) In vitro assay for biochemical mechanisms of carcinogenicity using phenotypic transformation of *human cells*
7. [5,763,180](#) In vitro assay for carcinogens using phenotypic transformation of *human cells*
8. [5,736,138](#) Monoclonal antibodies with specific binding against membrane proteins on *human cells*, and pharmaceutical compositions containing them
9. [5,707,968](#) Inhibition of attachment of H.influenzae to *human cells*
10. [5,683,991](#) Blocking the attachment of germs to *human cells*
11. [5,668,149](#) Inhibition of human immunodeficiency virus-1 infectivity in *human cells*
12. [5,643,880](#) Product for inhibition of attachment of H. influenzae to *human cells*
13. [5,550,036](#) Method for co-amplification of human protein C genes in *human cells*
14. [5,206,352](#) Compositions for clones containing DNA sequences associated with multidrug resistance in *human cells*
15. [4,753,874](#) Rapid mutation testing system for *human cells*
16. [4,649,106](#) Distinguishing subsets of *human cells*
17. [4,608,339](#) Protoplast fusion method for high-frequency DNA transfection in *human cells*

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United States Patent**5,994,617****Dick, et. al.****Nov. 30, 1999****Engraftment of immune-deficient mice with *human cells*****Abstract**

A process for transplanting into an immunodeficient mouse, which is deficient in T-cells and B-cells, ***human cells*** to form a chimeric mouse is provided. The transplanted ***human cells*** proliferate and thereby permit in vivo study of the ***human cells***. The ***human cells*** are isolated from a human tissue source. The process comprises:

- i) irradiating an immunodeficient mouse deficient in T-cells and B-cells with radiation to condition the mouse for transplant;
- ii) transplanting into the irradiated mouse, the isolated ***human cells***; and
- iii) maintaining the mouse to proliferate the ***human cells*** in and permit the ***human cells*** to spread in the mouse,

to provide thereby a chimeric mouse incorporating the ***human cells*** in appropriate murine tissue.

Inventors: Dick; John E. (Toronto, CA); Kamel-Reid; Suzanne (Toronto, CA).**Assignee:** HSC Research Development Corporation (Ontario, CA).**Appl. No.:** 323,587**Filed:** Oct. 17, 1994**Related U.S. Application Data**

Continuation of (including streamline cont.) Ser. No. 454,193, Dec. 21, 1989, abandoned, which is a continuation-in-part of Ser. No. 409,154, Sept. 19, 1989, abandoned.

Foreign Application Priority Data

Sept. 19, 1988 [GB]	8821922
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Intl. Cl. :**C12N 15/00, A61K 35/00****Current U.S. Cl.:****800/8; 424/93.1; 424/529; 424/573; 424/577****Field of Search:****800/2, DIG. 5; 424/9, 520, 573, 577****References Cited | [Referenced By]****U.S. Patent Documents**5,476,996

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26 Claims, 8 Drawing Figures



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